

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF INTERCONNECT AND SYSTEM DETECTION ON MD 152 BETWEEN THE INTERSECTIONS OF 195 SOUTHBOUND OFF RAMP TO U.S. 40 IN HARFORD COUNTY. MD 152 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

1. MD 152 & I-95 SOUTHBOUND OFF RAMP

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.  
INSTALL A MASTER CONTROLLER WITH TELEMETRY IN EXISTING BASE MOUNTED CABINET.

2. MD 152 & I-95 NORTHBOUND OFF RAMP

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.  
INSTALL QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL.

3. MD 152 & MD 7 (PHILADELPHIA ROAD)

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.  
INSTALL QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL.

4. MD 152 & U.S. 40

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED.  
INSTALL QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.  
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)

STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EACH	QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY INTERFACE PANEL
9045	1 EACH	CONTROLLER, MASTER ASC 10,000 WITH TELEMETRY

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EACH	MAINTENANCE OF TRAFFIC
8022	1 EACH	REMOVE & DISPOSE OF EQUIPMENT
8032	500 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES (BORED)
8034	3170 L.F.	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES (TRENCHED)
8041	20 L.F.	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8044	25 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8051	7000 L.F.	12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)
8055	1135 L.F.	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8061	545 L.F.	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8062	155 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2781/2785

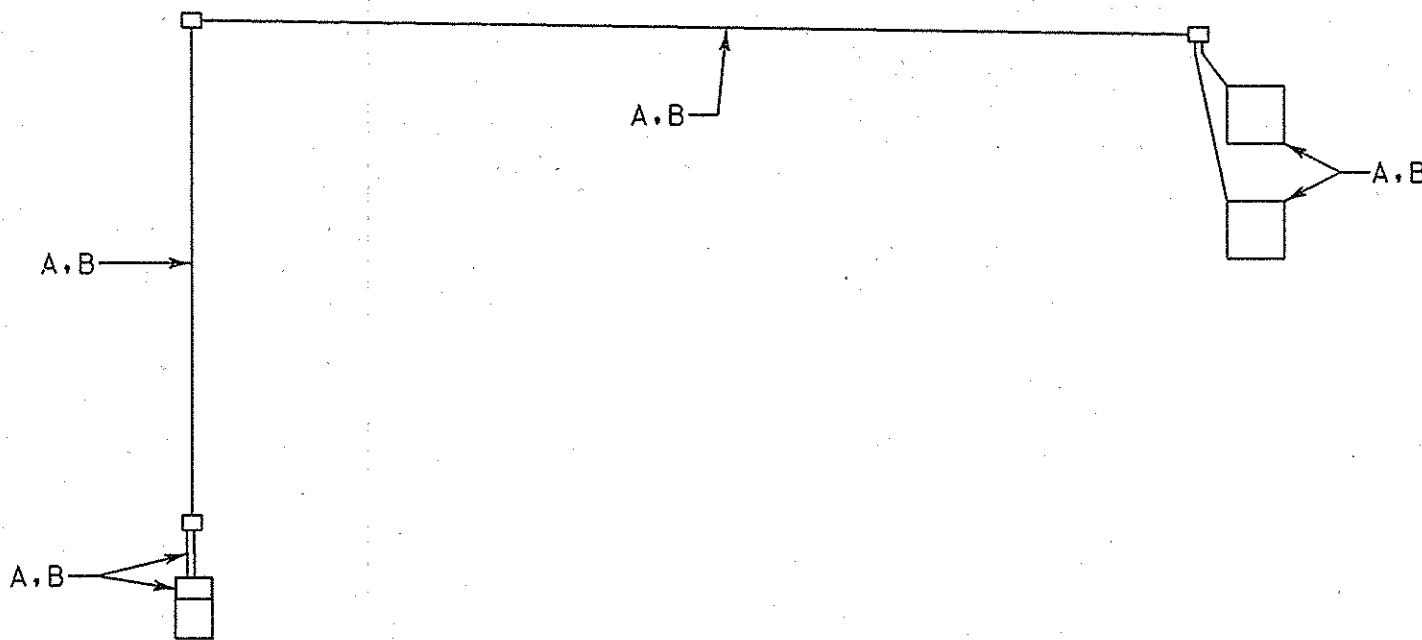
MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761

MR. MIKE PASQUARIELLO  
ASST. DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

WIRING DIAGRAM

MD 152 AND I-95 S.B. OFF RAMP

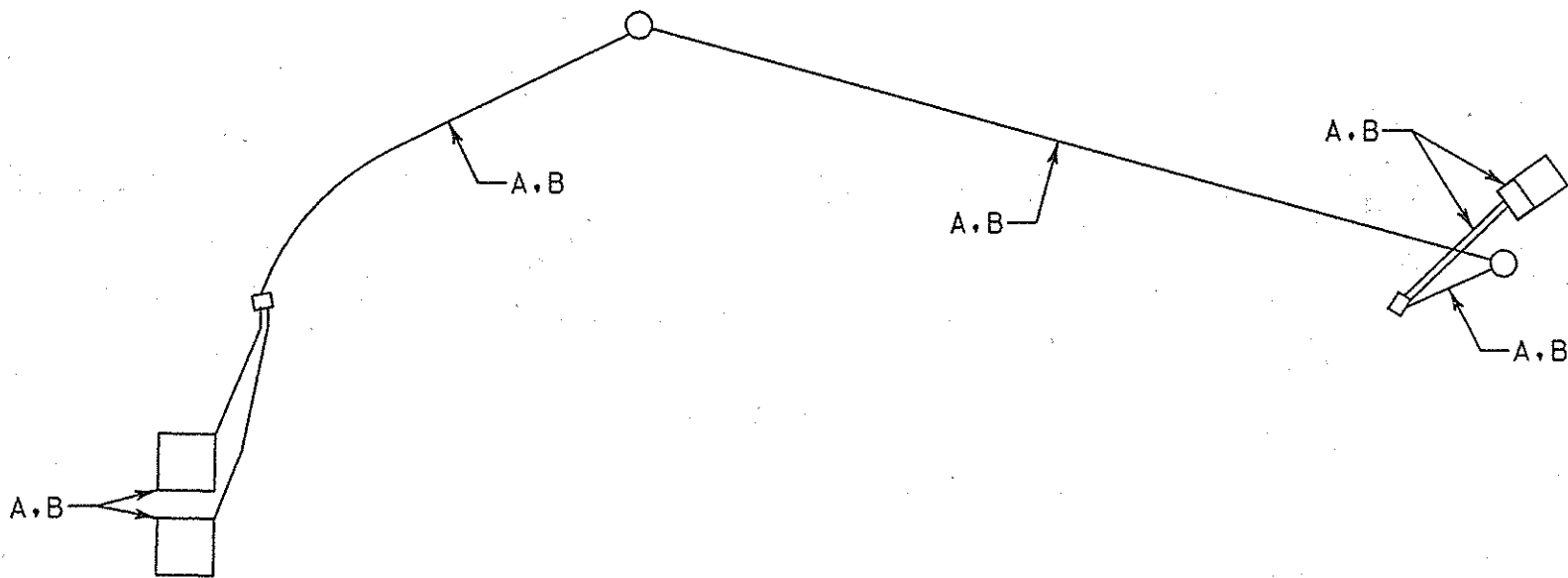


WIRING KEY

A B } 2-CONDUCTOR ELECTRICAL  
CABLE ALUMINUM SHIELDED  
(NO. 14 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)

MD 152 AND U.S. 40



WIRING KEY

A B } 2-CONDUCTOR ELECTRICAL  
CABLE ALUMINUM SHIELDED  
(NO. 14 A.W.G.)

LW - LOOP WIRE (NO. 14 A.W.G.)

TOD NO: AT913-12  
SHA NO: HA340A52/D52  
MD 152: I-95 OFF RAMP TO  
US40



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 152 (Mountain Road) From  
S.B. I-95 Off Ramp to U.S. 40

GENERAL INFORMATION SHEET

SCALE NONE DATE 10/22/2007 CONTRACT NO. AT9135185

DESIGNED BY S. Bloss COUNTY Harford  
DRAWN BY S. Bloss LOGMILE  
CHECKED BY N. Leary TMS NO. H404  
FAP NO. TOD NO.

TS NO. DRAWING IC-05 - IC-05 OF IC-05 SHEET NO. 5 OF 5



Whitman, Requardt and Associates, LLP  
Engineers, Architects and Planners

801 South Caroline Street  
Baltimore, Maryland 21231  
410-235-3450

PLOTTED: 10-12-2007  
FILE: n:\31558-114\CADD\p50-N005\_md152.dgn